



Department of Paediatrics & Child Health



UNIVERSITY OF CAPE TOWN
ANNUAL RESEARCH DAYS 2017



Courtesy of B. Morrow with permission

Programme

31st October & 01st November

D3 Lecture Theatre, D Floor

Red Cross War Memorial Children's Hospital

CPD Points for Tuesday, 31 October 2017 and Wednesday, 01 November 2017

Please sign the attendance register on both days to claim your points.

PROGRAMME

Oral Presentations

Tuesday, 31 October 2017

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| 12H15 – 12H25 | <i>Welcome and Opening</i> | <i>H. Zar</i> |
| 12H25 – 13H10 | Keynote Address: “ <i>Research: lessons from Risky Business.</i> ” | <i>A. Argent</i> |
| Session 1: Chairperson: | | U. Rohlwink |
| 13H15 – 13H30 | Challenging beliefs: changes in GMFCS two decades after selective dorsal rhizotomy or orthopaedic surgery. | N. Langerak |
| 13H30 – 13H45 | Examining cerebral metabolism using microdialysis in children with severe traumatic brain injury. | U. Rohlwink |
| 13H45 – 14H00 | Different white matter abnormalities in children with spastic diplegia due to HIV encephalopathy versus cerebral palsy. | J. Fan |
| 14H00 – 14H15 | Earlier treatment and lower mortality in infants initiating antiretroviral therapy at < 12 weeks of age in South Africa - the International Epidemiologic Databases to Evaluate AIDS Southern Africa (IeDEA-SA) Collaboration. | V. Iyun |
| 14H15 – 14H30 | An assessment of the Isoniazid Preventive Therapy programme for children in a busy primary healthcare clinic in Nelson Mandela Bay Health District, Eastern Cape Province. | J. Shea (obo F. Tucker) |
| 14H30 – 15H00 | T E A & POSTERS | |

Session 2: Chairperson:

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| | | M. Davies |
| 15H00 – 15H15 | Prevalence of microalbuminuria in perinatally HIV-infected adolescents on antiretroviral therapy. | L. Frigati |
| 15H15 – 15H30 | Treatment outcomes in perinatally-HIV-infected children and adolescents after 10 years on antiretroviral therapy. | K. Anderson |

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| 15H30 – 15H45 | What should we do when HIV-positive children fail first-line combination anti-retroviral therapy (cART)? – a comparison of 4 ART management strategies. | G. Patten |
| 15H45 – 16H00 | Developmental outcomes of breastfed, HIV-exposed uninfected and breastfed, HIV-unexposed children in the context of universal maternal antiretroviral therapy: a prospective cohort. | S. le Roux |
| 16H00 – 16H15 | Risk of virological failure in a cohort of HIV-infected adolescents on HAART. | R. Sher |
| 16H15 – 16H30 | Accuracy of Xpert MTB/Rif Ultra for the diagnosis of pulmonary tuberculosis in children. | L. Workman |

Wednesday, 01 November 2017

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| Session 3: Chairperson: | | M. Harrison |
| 08H30 – 08H55 | Mini-plenary: <i>Title TBC.</i> | B. Morrow |
| 08H55 – 09H10 | The short-term outcomes of HIV exposed vs. HIV unexposed very low birth weight infants. | L. Riemer |
| 09H10 – 09H25 | The influence of anaesthetic method on outcomes of preterm infants delivered by caesarean section in a tertiary hospital in South Africa: a pilot review. | R. Stander |
| 09H25 – 09H40 | Nutritional interventions and outcomes of children with short bowel syndrome at Red Cross War Memorial Children’s Hospital (RCWMCH) between 2005 and 2015. | B. Saayman |
| 09H40 – 09H55 | The development of an English Health-Related Quality of Life (HRQoL) measure for very young children, to be completed by proxy. | J. Verstraete |
| 09H55 – 10H10 | An assessment of critically ill children admitted to a general high care unit in a regional hospital in the Western Cape, South Africa. | R. Vosloo |
| 10H10– 10H25 | Autoimmune hepatitis in children: experience in Red Cross War Memorial Children’s Hospital Cape Town. | S. Yassin |
| 10H25– 10H40 | What does care through family in African health care settings look like? Preliminary findings from a qualitative observational study. | C. Bonaconsa |
| 10H40– 10H55 | The use of inhaled nitric oxide to treat persistent pulmonary hypertension of the newborn in a tertiary public hospital in South Africa from 2010-2014: morbidity, mortality and cost. | A. McAlpine |
| 10H55 – 11H10 | T E A & POSTERS | |

Session 4: Chairperson:**R. Muloiwa**

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| 11H10 – 11H20 | Morbidity and mortality from road traffic crashes in children in Metro West, City of Cape Town – 2014. | Z. Albertyn-Blanchard |
| 11H20 – 11H30 | The prevalence of food allergy and food sensitisation in urban and rural South African toddlers. | M. Botha |
| 11H30 – 11H40 | Delineation of the genetic causes of epileptic encephalopathy in South African paediatric patients. | A. Esterhuizen |
| 11H40 – 11H50 | Sudden unexpected deaths of infants: the value of a molecular autopsy. | L. Heathfield |
| 11H50 – 12H00 | A review of the use of high flow nasal cannula oxygen therapy in hospitalized children at a regional hospital in the Cape Town Metro, South Africa. | E. Hoffman |
| 12H00 – 12H10 | Persistent increase of matrix metalloproteinases in the cerebrospinal fluid of paediatric tuberculous meningitis. | J. Li |
| 12H10 – 12H20 | Alpha Gal Allergy in rural black African subjects associated with a high prevalence of abdominal manifestations and a more rapid onset of symptoms. | T. Mabelane |
| 12H20 – 12H30 | Managing Takayasu arteritis in the cardiac catheterisation lab – the Cape Town experience. | L. Swanson |
| 12H30 – 12H40 | Paediatric rheumatology access in the developing world - referral patterns to a tertiary paediatric rheumatology service in Cape Town. | W. Slamang |
| 12H40 – 12H50 | Characteristics of children presenting with cardiomyopathy in an African setting – initial findings of the IMHOTEP Registry. | G. Comitis |
| 12H50 – 13H00 | A study to assess the value of mass spectrometry in the management of paediatric poisoning at Red Cross War Memorial Children's Hospital. | N. Washaya |
| 13H00 – 13H10 | Use of 'home-made PD' adapted intravenous fluid solution for acute peritoneal dialysis in Africa. | M. McCulloch |
| 13H10 – 14H00 | L U N C H (Venue: D3 Tea Room, D FLOOR, RXH) | |

Session 5: Chairperson:**A. Vanker/D. Gray**

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| 14H00 – 14H25 | Mini-plenary: <i>Title TBC.</i> | H. Zar |
| 14H25 – 14H40 | Prevalence and determinants of <i>Staphylococcus aureus</i> nasopharyngeal carriage among African infants. | S. Abdulgader |
| 14H40 – 14H55 | Feeding practices and HIV exposure are the primary drivers of infant faecal bacterial profiles in the Drakenstein Child Health Study. | S. Claassen-Weitz |
| 14H55 – 15H10 | Early-life exposure to indoor air pollution or tobacco smoke and lower respiratory tract illness and wheezing in African infants. | A. Vanker |
| 15H10 – 15H30 | T E A & POSTERS | |

Session 6: Chairperson:**A. Vanker/D. Gray**

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| 15H30 – 15H45 | Diagnostic performance of lung ultrasound compared with chest radiographs for pneumonia in children in the Drakenstein Child Health Study. | A. Stadler |
| 15H45 – 16H00 | Low lung function at six weeks of age in healthy South African infants predicts lower respiratory tract illness during the first year of life. | D. Gray |
| 16H00 – 16H15 | Ambulatory and hospitalised pneumonia in the first 2 years of life in a South African birth cohort: the Drakenstein Child Health Study. | D. le Roux |
| 16H15 – 16H30 | Characterizing antibiotic-resistant pneumococci in the nasopharynx of healthy South African infants using shotgun sequencing and conventional typing. | R. Manenzhe |
| 16H30 – 16H45 | Longitudinal changes in lung function in HIV-infected adolescents on antiretroviral therapy in Cape Town, South Africa. | L. Githinji |
| 16H45 – 17H00 | <i>Feedback on Research Day presentations, with Award & Research Prizes</i> <i>Closing remarks by A. Horn</i> | |